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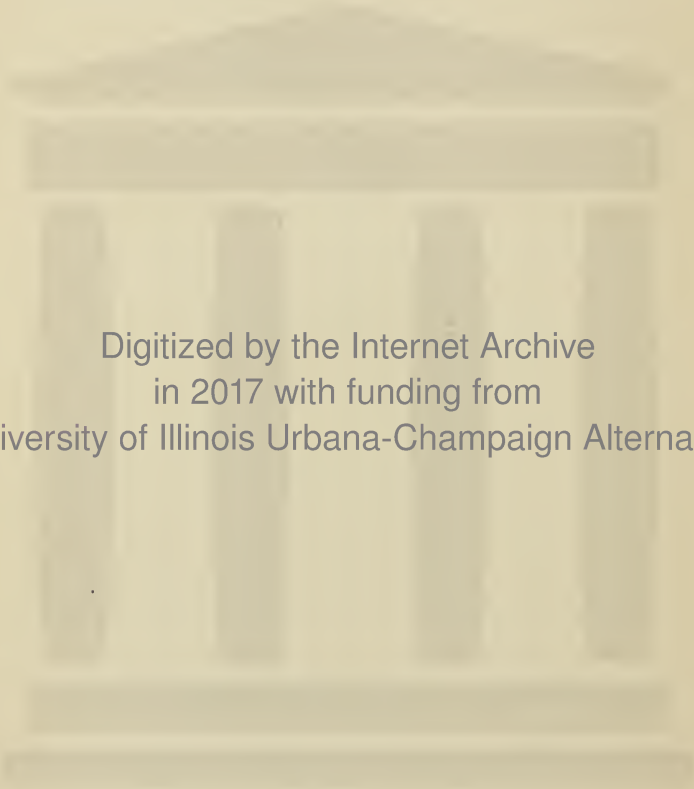
Courses and Rules

UNIVERSITY OF ILLINOIS

PRESIDENT'S OFFICE

University of Louisville

FOUNDED IN 1837



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Address all communications to

UNIVERSITY OF LOUISVILLE,
ACADEMIC DEPARTMENT,
115 West Broadway.

The University does not offer any courses in studies preparatory for college. There are several good secondary schools in Louisville, and three good public high schools, in any of which students may receive adequate preparation. Classes *for beginners* in the ancient and modern languages are organized in the college, however, for the benefit of those who may wish *after entering the University* to commence the study of these languages, *but these courses do not count for honors and may not be taken to remove an admission condition.* Undergraduate and graduate courses are offered in sixteen departments.

General Information.

The University.

The University of Louisville was chartered by an act of the Legislature of Kentucky approved February 7, 1846, and was given power to establish "all the departments of the University for the promotion of every branch of science, literature, and the liberal arts."

The Colleges of Medicine and of Law in the University have been in active operation since that time. The present Literary Department was opened in September, 1907, and comprises the College of Liberal Arts and the Graduate School of Liberal Arts.

The University of Louisville has about seven thousand alumni from all of its schools.

Co-Educational.

The College of Liberal Arts is co-educational.

University Calendar.

College of Liberal Arts.

FALL TERM 1908.

The session opens on the fourth Monday in September and closes on the second Thursday in June.

September 21, Monday, 8 p. m.—Meeting of Academic Faculty.

September 21 and 22—Examinations for Admission.

September 22, Tuesday—Matriculation and Enrollment in Classes.

September 28, Monday—Lectures begin in all Departments.

November—Thanksgiving Recess.

December 21—Christmas Holidays begin.

January 4, 1909—Lectures resumed.

January 25, 1909—Examinations begin.

January 30, 1909—First Term closes.

SPRING TERM, 1909.

February 1—Registration and Enrollment.

February 22—Washington's Birthday Exercises.

May 31—Decoration Day; a holiday.

June 1—Examinations begin.

June 9—Annual Meeting of Trustees.

June 9, 10 a. m.—Business Meeting of Alumni.

June 9, 8 p. m.—Alumni Banquet.

June 10—Commencement.

The Academic Faculty meets on the last Friday of each month throughout the College Year.

Fees.

The tuition fee in the College of Liberal Arts and Sciences is \$100 per session, half payable at the beginning of each semester. Teachers engaged in the work of their profession and children of clergymen are admitted at half the regular tuition fee. Theological students and ministers are admitted without tuition fee. A laboratory fee of \$3 per term is charged in each laboratory, unless otherwise specified. In Chemistry the laboratory fee is \$6 per term. A fee of \$20 is charged for graduation.

Expenses.

Board and Rooms.

Moderate: Furnished rooms may be engaged by two students in a room at \$1 to \$2 per week for each student. Meals, \$2.50 to \$4 per week. Private board, including fuel and light, at \$3 to \$5 per week.

Liberal: Those who desire more luxurious accommodations can easily secure them in the city at a cost of from \$30 per month upwards.

Books and stationery cost a student in the College of Liberal Arts and Sciences about \$20 per year; expenses for pay lectures, athletic games, and college organizations may be whatever the student chooses to make them.

Students desiring to add to their resources may do so by finding remunerative employment for a part of their time; but this privilege is granted only by consent of the authorities of the University.

Requirements for Admission.

A student is not eligible for admission (examinations) until he has completed the full course of a good high school, or its equivalent. Reckoning one year's work of daily recitations for nine calendar months as a unit, a student must be able to show proper credentials for eighteen units of such work before he becomes a candidate for admission. Of the eighteen units required, fourteen are prescribed and four are elective. The certificates of the high schools of Louisville, New Albany, Jeffersonville, and others of acceptable rank will admit the holder without examination.

1. Prescribed subjects, fourteen units, as follows:

1. Mathematics, three years, three units.
2. English Language and Literature, three years, three units.
3. Six points, distributed between two foreign languages.
4. Science, one year, one unit.
5. History, one year, one unit.

2. Elective subjects, four units.

The four units of elective subjects may be chosen from almost any studies taught in a good high school, either in equivalent subjects not mentioned in the prescribed list above, or in advanced work in the prescribed elementary branches.

Certificates. Students entering from other institutions must have certificates of honorable dismissal, and the amount of work done must be properly certified, both as to time and subjects. If the admission requirements of the University are satisfied, and if the school from which the certificate is offered belongs to the class accredited by the University, the candidate will be admitted without examination.

Conditioned Students. In some instances students who have not entirely completed their preparatory work may be admitted

on condition in the deficient subjects, but they must remove the conditions by making up the deficiencies in some preparatory or high school. All admission conditions must be removed before the student enters upon the work of the second year.

Special Students. Students of proper age who desire work in any department of the College of Liberal Arts and Sciences may be admitted as special students upon the recommendation of the head of the department in which work is sought. The recommendation of the instructor is based in each case upon a satisfactory examination of the applicant.

Advanced Standing. To entitle a student to advanced standing, (1) a letter of honorable dismissal from the last institution attended, (2) a certificate of work in a college the curriculum and entrance requirements of which are equal to those of the University, and (3) an examination covering courses previously taken, are all necessary. In special cases examination may not be insisted on.

Degrees.

The College of Liberal Arts and Sciences offers three undergraduate courses and three graduate courses; the undergraduate courses are the Classical, the Philosophical, and the Scientific, the first two of which lead to the degree of Bachelor of Arts, and the last one to the degree of Bachelor of Science.

The graduate courses are in the Classics, Science, and Philosophy, and lead to the degree of Master of Arts, Master of Science, and Doctor of Philosophy, respectively.

The two courses leading to the Bachelor's degree in the arts are practically equivalent, and are also equivalent to the course leading to the Bachelor's degree in science. The three courses require almost the same quantity of work and about the same amount of time, but they differ somewhat in the character of their training. The undergraduate classical and philosophical courses require for completion four years of work equivalent to eighteen hours a week each; the undergraduate scientific course requires four years of twenty hours a week, including laboratory work.

Of the graduate courses, the classical and scientific each require one year of work, equivalent to sixteen hours a week from the Bachelor's standing, and lead respectively to the degree of Master of Arts and Master of Science; the philosophical course requires two years' work, together equivalent to thirty-two hours a week from the Master's standing, and other special conditions, and leads to the degree of Doctor of Philosophy.

In a general way, the first two years' work in all the undergraduate courses is prescribed and the remainder is elective; that is, estimating the work in an undergraduate course as sixteen units, eight units are prescribed and the others are elective. Enough of the fundamental work of the course is prescribed to preserve its essential unity, while sufficient choice is permitted to enable students to gratify individual tastes and purposes.

The following rules govern the granting of degrees:

1. No credit is given for work done *in absentia*.
2. All candidates must be in good standing in every department in which credits are desired.

The Master's degree is conferred only upon such candidates as have attained the Bachelor's degree in this University, or in some other institution of equal grade.

4. A candidate for the Master's degree must make an average of eighty-five in every department in which he works.

5. Candidates for a degree must spend at least the last year of their course in residence at the University.

6. No candidate is admitted to graduate courses without the consent of the Committee on Graduate Courses.

7. No course counted for a baccalaureate or professional degree will be counted toward a Master's degree.

8. For the Master's degree a major and at least one minor subject, comprising a graduate course of work equivalent to sixteen hours a week for one year, must be chosen by the advice and consent of the Committee on Graduate Courses; and a thesis, approved by the head of the department in which the major subject is pursued, must be submitted not later than one month before Commencement.

9. The Doctor's degree requires not only a graduate course of work equivalent to sixteen hours a week for two years from the Master's standing, but also special conditions satisfied only with the consent of the Committee on Graduate Courses.

Honors.

Undergraduate candidates for a degree making an average of 90 or more are designated as honor students. The first honor is awarded to the honor student making the highest average mark, and this student becomes the valedictorian; the salutatory is awarded to the student who is next highest in rank, and the class address to the student who ranks third.

Departments and Courses of Instruction.

1908—1909.

Special afternoon courses in every department are arranged for the benefit of teachers.

Department of Greek.

PROFESSOR JOHN LETCHER PATTERSON.

1. ELEMENTARY COURSE. (For the benefit of students who offer other foreign languages in the requirements for admission and who desire to study Greek within the University.) Benner and Smyth; Goodwin's Greek Grammar; Pearson's Prose Composition; Xenophon (*The Anabasis*). (Course 1 can not be taken to remove an admission condition, and will not count for honors.) Three hours a week, one year.

2. Plato (*Apology, Crito*); Lysias (selected orations); Homer (selections from *Iliad and Odyssey*); Euripides (*Cyclops*); Lectures on the History of Greek Literature and Life (Jevons' *Greek Literature*); Bluemner (*Life of the Ancient Greeks*); prose composition. Required of Freshmen who elect Greek. Three hours a week, one year.

3. GREEK LITERATURE. Aristophanes (*Acharnians, Birds*); Æschylus (*Prometheus Bound*); Sophocles (*Ædipus Tyrannus*); Euripides (*Bacchæ*). Required of students who elect Greek. Three times a week, one year.

4. ENGLISH COURSE IN GREEK DRAMA. Talks on the Dramatic Art and Literature of the Greeks, with reading and study of Greek plays in translation. Æschylus, Sophocles, Euripides, Aristophanes (selected at the pleasure of the instructor). *This course is especially designed for those who have not studied Greek, but who wish to become acquainted with the culture and literature of ancient Greece.* Twice a week, one year. Elective.

5. LYRIC AND IDYLLIC POETRY. Selections from Pindar, Bacchylides, Anacreon, Theocritus, Bion, *et al.* Three times a week, one year. Open to graduate students.

6. GREEK HISTORY. Selections from Herodotus VIII; Thucydides I; Plutarch, *Themistocles*; Æschylus, *Persians*. The selections read from Greek authors emphasize the period of Athenian supremacy; they will be changed from time to time to illustrate other periods. Three times a week, one year. Open to graduate students. (*This course in Greek History may be studied in English and conducted as Course 33 of the Department of History during 1908-1909.*)

Department of Latin.

DR. JAMES S. BLACKWELL.

MISS GRACE KENNEDY.

7. ELEMENTARY COURSE. (For the benefit of students who offer other foreign languages in the requirements for admission, and who desire to study Latin within the University.) Grammar; Prose Composition; Cæsar; Cicero. (Course 7 can not be taken to remove an admission condition, and will not count for honors.) Three hours a week, one year.

8. Cicero, *De Senectute*; Sallust, *Catilina*; Livy, *Selected Books*; Latin Prose Composition. Required in classical course. Three hours a week, one year.

9. Horace, *Satires and Epistles*; Tacitus, *Germania* and *Agricola*; Latin Prose Writing. Required in classical course. Open to students who have taken Course 8. Three hours a week, one year.

10. Horace, *Odes and Epodes*; Catullus; Juvenal. Elective. Prerequisite Courses 8 and 9. Three hours a week, one year.

11. Seneca, *De Providentia*, *De Brevitate Vitæ*; Cicero, *Tusculan Disputations*; Lectures on Roman Religion. Open to those completing Courses 8 and 9. Elective. Three hours a week, one year.

12. Plautus, *Rudens*, *Persa*; Terence, *Phormio*; Seneca, *Hercules Furens*; Lectures on the Drama. After Courses 8 and 9, or equivalent. Elective. Three hours a week, one year.

Department of English.

(Professor to be appointed.)

I.—GENERAL STATEMENT.

This Department is designed to offer courses, both graduate and undergraduate, for the study of literature in English. The aim of the undergraduate courses is twofold: (1) development of intelligent appreciation of literature, and (2) acquaintance with literary history. The graduate courses are intended for those who contemplate specialization, and their aim is to afford familiarity with a certain method of scholarly investigation.

The following courses indicate a plan of prolonged work in this Department. In their entirety they imply five years of residence.

II.—COURSE OF STUDY.

a.—Undergraduate Courses.

13. THE NINETEENTH CENTURY. From the Romantic Revival to the present day.

(a) Poetry.

(b) Prose.

(a) will consider through copious selections the works of Blake, Burns, Wordsworth, Coleridge, Scott, Byron, Shelley, Keats, Landor, Clough, Arnold, Tennyson, the Brownings, Rossetti, Morris, Swinburne.

(b) will consider some essays of Carlyle, DeQuincey, Lamb, Macaulay, Arnold, Pater, and some novels of Scott, Austen, Brontë, George Eliot, Thackeray, Dickens.

(a) and (b) may be given as separate courses.

The course is designed as the first for students who intend to pursue literary study; it is also recommended to those who desire but one course in the Department. Three hours a week, one year. Required. Open to all students.

14. THE EIGHTEENTH CENTURY. From the Restoration to the Romantic Revival. This course will consider the poetry,

drama, essay and novel of the period, with special attention to Bunyan, Defoe, Dryden, Pope, Swift, Addison, Steele, Prior, Gray, Fielding, Johnson, Goldsmith, Sheridan. Three hours a week, one year. Required. Open to students who have taken Course 11.

15. THE SIXTEENTH AND SEVENTEENTH CENTURIES.

(a) The drama, including Shakespeare.

(b) From Spenser to Milton, exclusive of drama.

Three hours a week, one year. Open to students who have taken Courses 11 and 12.

16. PRINCIPLES OF CRITICISM. Three hours a week, one year. Open to students who have taken Courses 11, 12, and 13.

b.—Graduate Courses.

17. THE DECLINE OF TRAGEDY. From the death of Shakespeare to the production of Addison's "Cato." Open to students who have taken Courses 11, 12, 13, and 14.

18. THE PRE-RAPHAELITE MOVEMENT. Open to students who have taken Courses 13, 14, 15, and 16.

Seminar A.—Subject to be announced. Open to students who have taken, or are taking, Courses 15 and 16.

Department of German.

PROFESSOR G. L. SPILLMAN.

19. ELEMENTARY GERMAN. (For the benefit of students who offer other foreign languages in the requirements for admission, and who desire to study German within the University.) Grammar and Translation. Kayser and Montaser—completed. Reading—*Glück Auf*; Carruth's Reader; *Immensee*, *Höher als die Kirche*. Five hours per week for one year. Open to all students, but may be taken to remove an admission condition, and will not count for honors.

20. ADVANCED GERMAN. Composition and Selected Prose. Two hours per week. Wenckebach's Prose Composition; Keller's *Bilder der Lit*; Kron's *German Daily Life*.

Reading and Translation—Goethe's *Hermann und Dorothea*; Lessing's *Minna von Barnhelm*; Riehl's *Fluch der Schönheit*;

Schiller's *Jungfrau von Orleans*. Three hours per week throughout the year. Open to all who have completed Course 19, or its equivalent.

21. CLASSIC GERMAN. Buchheim's Prose Composition; Prehn's Journalistic German. *Am deutschen Heerde; Studien and Plaudereien*. Two hours throughout the year.

Reading—Translation, Sight Reading; Richter, Selections. Lessing's *Nathan der Weise*; Schiller's *Wallenstein*; Wagner's *Die Meistersinger*; Göethe, Selections.

22. HISTORICAL GERMAN. Original Composition—Behagel's *Geschichte der deutschen Sprache*; German Anthology (Thomas). Two hours per week.

Reading—Göethe's *Faust*, Parts I and II (Thomas); Sudermann's *Katzensteg*; Hauptmann's *Versunkene Glocke*. Three hours per week.

Department of French.

PROFESSOR G. L. SPILLMAN.

23. ELEMENTARY COURSE. (For the benefit of students who offer other foreign languages in the requirements for admission, and who desire to study French within the University.) Grammar and Translation—Fraser and Squair, Readers.—(Syms; Aldrich and Foster). *Le Tour de France*—Bruno. Five hours per week throughout the year. Open to all students, but may not be taken to remove an admission condition, and will not count for honors.

24. ADVANCED COURSE. Advanced French Prose Composition—François. *La Tache du Petit Pierre*—Mairet. *La Main Malheureuse*—Gürber. *Le Pacte de Famine*—Berthet. *Les Prisonniers du Caucase*—Maistre. Two hours per week throughout the year.

Reading and Translation—*Hernani*, Hugo; *Iphigénie*, *Athalie*, Racine; *Le Cid*, Corneille; *La Chatelaine*. Three hours per week throughout the year. Open to those who have passed Course 23.

25. CLASSIC FRENCH. Chardenal's Idioms—Standard French Authors, Guerlac. Two hours per week.

Selections of Prose, Seventeenth and Eighteenth Century. Moliere's *Le Medicin Malgré Lui*, *Le Tartuffe*, et al. Three hours per week. Open to those who have passed Course 24, or its equivalent.

26. THE ROMANTICISM AND REALISM OF FRANCE. Crane's *Le Romantisme Français*; selections from the works of Hugo, Lamartine, de Musset, Madame de Staël, and Chateaubriand will be studied. Balzac's *Eugénie Grandet*; short stories by Merimee and Maupassant and some scientific French will be read. Especial attention will be given to idioms and to advanced composition.

Department of Spanish.

DR. G. L. SPILLMAN.

27. ELEMENTARY SPANISH. (For the benefit of students who offer other foreign languages in the requirements for admission, and who desire to study Spanish within the University.) Study of pronunciation; exercises in grammar; and reading of simple selections.

Texts—Giese's *Grammar and Reader*; or Edgren's *Spanish Grammar* and Matzke's *Spanish Reader*. Five hours a week, one year. Open to all students, except beginners in French, but may not be taken to remove an admission condition, and will not count for honors.

28. ADVANCED SPANISH. Knapp's *Spanish Grammar*; selected prose and plays; Knapp's *Modern Spanish Readings*.

Course in Italian.

DR. JAMES S. BLACKWELL.

29. Grandgent's Italian Grammar—Bowen's Italian Reader—*I Promessi Sposi*. Three times a week, one year. Open to all students, but may not be taken to remove an admission condition, and will not count for honors.

30. Tasso's *Girusalemme Liberata*, three cantos; Machiavelli's *Principe*. Three times a week, one year.

31. Selections from Boccaccio; Dante's *Purgatorio*. Advanced Prose Writing. Three times a week, one year.

Department of History.

PROFESSOR ECKART VON WALTHER.

32. EUROPEAN HISTORY, MEDIEVAL AND MODERN. This is a general course of Continental European History from the migration of nations to the close of the Nineteenth Century; it is an elementary course for those students who have no European History accredited to them. One year, three times a week, required.

33. GREEK HISTORY. This course embraces, besides the study of Greek History proper, a thorough course of Greek political and social institutions and also of Greek art, literature, and philosophy. One term, three times a week. Open to all students. Elective. This course will be conducted during 1908-1909 by Professor Patterson, as outlined under Course 6, Department of Greek.

34. ROMAN HISTORY. From the founding of Rome to the fall of the Western Empire. A critical study is made of political institutions as well as social and economic conditions that form the basis of mediæval and modern European development. One term, three times a week. Open to all students. Elective.

35. ENGLISH HISTORY. This course covers the outline of English History; a study of Anglo-Saxon institutions. One year, three times a week. Open to all students who have had one year's work in history. Elective.

36. AMERICAN HISTORY. A survey of European conditions leading to the discovery of America, colonization and federation. An analytical study of the institutional history of the United States with especial reference to diplomacy, international relations, and political development. One year, three times a week. Open to all students who have had one year's work in European History. Elective.

37. HISTORY OF MEDIEVAL CONTINENTAL EUROPE. An advanced course beginning with the migration of nations and leading up to the time of the Reformation. Special stress is

laid in the first term upon the history of the Hohenstaufen and the time of Hildebrand, while the second term takes up the economic development of France and the movements which led to the Reformation. One year, three times a week. Open to students who have taken Course 32 or have a similar course accredited to them. Required.

38. HISTORY OF MODERN CONTINENTAL EUROPE. An advanced course beginning with the Reformation and ending with the year 1900. In this year's course the French Revolution and the time of Frederic the Great will be special topic. One year, three times a week. Open to students who have taken Course 32 or have a similar course accredited to them. Required.

39. HISTORY OF THE NINETEENTH CENTURY IN CONTINENTAL EUROPE. An advanced course emphasizing the formation of the modern European governments, their economic conditions and political problems. Open to students who have taken Course 32 or have a similar course accredited to them. Elective.

Department of Mathematics.

PROFESSOR LOUIS SIFF.

40. SOLID GEOMETRY. Besides work of the text, much attention is given to the demonstration of original theorems. Correct statement and logical order of work are prominent features. Three times a week. First term. Required of all students, except of those who have offered and passed the examination in Solid Geometry on entering the University or who entered by diploma or certificate which covered Solid Geometry.

41. PLANE AND SPHERICAL TRIGONOMETRY. Correct definitions of trigonometric functions, inverse functions, trigonometric equations, and the construction of trigonometric formulas receive careful attention. The application of trigonometry to practical problems is a large portion of the course. Required. Three times a week. Second term.

42. ADVANCED ALGEBRA. This course starts with the Arithmetic and Geometric Progressions and covers the theory of Quadratic Equations, Binomial Theorem, Permutation and Combination, Logarithms, Convergency and Divergency of Series,

Summation of series in general, Partial Fractions, Probability, Continued Fractions, Determinants, and the general theory of Equations. Three times a week. Required. First and second terms.

43. ANALYTIC GEOMETRY. This course is continued through the year; it covers the point, line, circle, and the three simple conics. Considerable time is devoted to the general equation of the second degree. Three times a week. Required.

44. SENORAL THEORY OF EQUATIONS, BASED ON THE TREATISE OF BURNSIDE AND PANTON. An elective course. Three times a week. Useful to students who wish to have a better knowledge of Algebra and who intend to teach mathematics.

45. DIFFERENTIAL AND INTEGRAL CALCULUS. An elementary course. One year is given to this subject. The first term is devoted to Differential and the second term to Integral. Every subdivision is carefully treated and students are trained in making applications of the principles learned. Three times a week.

46. DIFFERENTIAL EQUATION, PARTIAL AND LINEAR. An elementary course. Three times a week.

47. ADVANCED ANALYTIC GEOMETRY. This course is based on the works of Casey, C. Smith, and Salmon's Conic Sections. Much time is devoted to the modern methods of Analytic Geometry. Three times a week.

48. ADVANCED DIFFERENTIAL AND INTEGRAL CALCULUS. Lectures and recitations. Three times a week. Open to all who have finished Course 45.

49. THE THEORY OF FUNCTIONS, REAL AND COMPLEX VARIABLES. Based on Harnack and Picard's Cours d'Analyse. Three times a week.

50. THE THEORY OF NUMBERS. Based on the works of Gauss and Lejeune-Dirichlet. Lectures. Three times a week.

51. THE HISTORY OF MATHEMATICS. Open to all students. One hour a week. Lectures.

Department of Philosophy.

DR. JOHN CALVIN WILLIS.

52. **PSYCHOLOGY.** A general course in psychology, including an analysis of mental powers, their functions, relations, products, and laws; also psychological theory, the student being taught to construct theory from the facts of mind, and corroborate by experience. A critical study of controversial matter is made, and the abnormal states of mind examined. An exhaustive study of will and validity of emotions is made. Four times a week, one year. Required.

53. **LOGIC.** This course includes the problems and laws of deductive logic; also the laws and processes of the Scientific Method, or Inductive Logic. Copious exercises; extended application to practical problems of philosophy, history, and experience is made. Three times a week, one year. Required.

54. **ETHICS.** The theory of ethics, and the nature and validity of the moral law, are embraced in the work of the first term. The work of the second term is based upon Paulsen, Green, and Kant. One year, three times a week. Required. Open to all who are prepared.

55. **HISTORY OF PHILOSOPHY.** This course is designed to acquaint the student with the problems of philosophy, the systems of philosophy of both ancients and moderns, and the trend of speculative thought of the present day. One year, three hours a week. Elective. Open to all students who have had Course 52.

56. **EXPERIMENTAL PSYCHOLOGY.** This is a practice course in standard experiments in primary sensations, space perception, time measurements of processes of mind, the processes of association and memory, the bodily states that affect mental activity, together with the effects of the drug habit and pathological states upon the mind. Twice a week, one year. Elective.

57. **ABNORMAL PSYCHOLOGY, OR PSYCHOPATHIA.** This course begins with the subjects with which Course 39 concludes. The psychology of crime, hypnotism in its various forms and its medical and educational uses, the common forms of insanity with their lesions of the nervous system, degenerative and develop-

mental defects; abnormal forms of speech, feeling, will, and personality, hallucinations, illusions, aphasias, amnesias. Clinics at the Central Asylum for the Insane. Twice a week, one year. Elective. Open to all students.

58. METAPHYSICS, EPISTEMOLOGY, AND ÆSTHETICS. The course opens with a general survey of the problems of metaphysics; this is followed with a critical study of the theory of thought and knowledge, and the theory of the beautiful. One year, three times a week. Elective. Open to all students who have had Courses 52 and 53.

Department of Political and Social Science.

DR. J. C. WILLIS.

59. ECONOMICS. A general course in economics, beginning with the general principles of economic science, embracing the mechanism and materials of commerce, international trade, trade routes, the economics of transportation, production and consumption; commerce and politics. One year, three times a week. Required. Prerequisite, one year in history.

60. SOCIOLOGY. A course in three main divisions: (1) general problems and facts of sociology, historical and practical philanthropy, pensions, juvenile courts, and associated charities; (2) anthropological sociology, embracing materials of civilization and primitive social institutions; and (3) abnormal sociology, including the theory of degeneration with practical application to pauperism, charities, crime, penology, and reformatory systems. Practical work by visiting reformatory, penal, and corrective institutions. In and near Louisville there are several penal and reformatory institutions to which students have access; these afford ample opportunity for extended research. One year, three times a week. Elective. Open to all who have had Course 59.

61. PUBLIC FINANCE. This course embraces four general subjects: (1) revenues and expenditures of political units, and a careful study of taxation; (2) municipal problems, including organization, function, and administration of city government, revenues, and public utilities; (3) economic history of England

and United States; and (4) a detailed study of banking, money, and the money market, historical, theoretical, and practical. Monetary and banking systems of the various governments. One year, three times a week. Elective. Open to all students who have had Course 59.

62. CONSTITUTIONAL LAW, OR THE THEORY OF GOVERNMENT. Origin, formulation, and execution of fundamental law; constitutions of various governments compared; a critical study of the Constitution of the United States; international relations, diplomacy, and international law. One year, twice a week. Elective. Open to all who have had one year in History.

Department of Education.

(Possibly not open in 1908-9.)

DR. JOHN CALVIN WILLIS.

PROF. JOHN PATTERSON.

PROFESSOR ECKART VON WALTHER.

63. EDUCATIONAL PSYCHOLOGY. A general course in psychology, including an analysis of mental powers, their functions, relations, processes, and laws. This course is identical with Course 52, except the theory of mind, for which a thorough course of the training of the mind is substituted. Abnormal mind and deficiencies and eccentricities are given a thorough examination. One year, three times a week. Required of those who prepare to teach.

64. THE SCIENCE OF METHOD. The scientific ground of method; educational values; the philosophy and method of the various subjects of curricula; the bounds and methods of the kindergarten, primary education, secondary education, college education, university education. Observation and critical report upon types of various schools and colleges in Louisville. One year, twice a week. Required of those who are to teach.

65. EDUCATIONAL ADMINISTRATION. This course includes school finance, school systems, organizations, regulations, co-education, athletics, libraries, units of educational work, supervision, inspection, etc. One year, three times a week. Required of teachers.

66. EDUCATIONAL HISTORY. This course embraces three lines of work: (1) general survey of educational conditions, classics, and types; (2) history proper, including education of Hebrews, Greeks, Romans, the Christian schools, the rise and growth of universities; and (3) the literature and work of educational reforms. One year, three times a week. Required of teachers.

Department of Physics.

PROFESSOR LOUIS SIFF.

67. GENERAL PHYSICS. A general course, including the principles of mechanics, heat, light, sound, and electricity. Laboratory practice is a prominent feature of every subject embraced in the course. One year, three times a week. Required of academic students, and open to students of medicine, pharmacy, and dentistry.

68. HEAT AND LIGHT. A special course of advanced study and laboratory practice. The solution of physical problems by application of mathematics is a prominent feature of the course. One year, three times a week. Open only to those who have passed in Course 67. Lectures and individual instruction. Elective.

69. ELECTRICITY. An advanced course, theoretical and applied. Dynamo-electric machinery. Open only to those who have had Courses 67 and 68. Three times a week for one year.

Department of Chemistry.

DR. HARRY M. GOODMAN.

70. INORGANIC CHEMISTRY. The general principles of chemistry, including the properties of ordinary chemicals, a determination of chemical elements, fundamental laws and formulas of combination, and inorganic compounds. Laboratory work throughout the course. Required of Freshmen and open to students of medicine, pharmacy, and dentistry. One year, three times a week.

71. **QUALITATIVE ANALYSIS.** An extended course in qualitative analysis of inorganic bodies: salts, metals, and acids. Laboratory work. Open to all who have passed in Course 70. One year, twice a week. Elective.

72. **QUANTITATIVE ANALYSIS.** This course includes analysis of metals, acids, minerals, and the sanitary examination of water. General work in separation and determination of chemical elements. Two lectures a week and daily laboratory work. Open to all who are prepared for it. One year. Elective.

73. **ORGANIC CHEMISTRY.** Advanced course, and presupposes Courses 70 and 71. Lectures twice a week, and laboratory work every day. One year. Physiological chemistry, both in lectures and laboratory, constitutes about one third of the course.

Department of Geology.

(PROFESSOR TO BE APPOINTED.)

74. **GENERAL GEOLOGY.** (1) Dynamical geology, lectures, laboratory and field work. (2) Structural geology, nature and arrangement of earth's crust; lectures, and illustrations by charts and lantern slides. (3) Historical geology, succession of rocks, fossils, continental growth. (4) Economic geology, building stone, clays, coal, oil, gas, and ores. Illustrated by lantern slides. One year, three times a week. Required of scientific students, elective to others.

75. **PALEONTOLOGY.** The general principles of the subject; a systematic study of fossils, and types of paleozoic invertebrates. Open to students who have one year in zoölogy. One year, three times a week. Elective.

76. **MINERALOGY.** A laboratory course in physical properties, and analysis of important ores and rocks. One year, three times a week. Open to those who have Course 74.

Department of Biology.

PROF. A. LEE EDDY, M D.

77. **PHYSIOLOGY.** This course is composed of anatomy, physiology, and hygiene, with particular stress upon the latter. In anatomy, use is made of skeleton, manikin, and dissection. Course identical with courses of first year of these subjects in the Medical Department. One year, daily. Required.

78. **BOTANY.** A general course embracing the classification, morphology, physiology, and histology of plants. One year, three times a week. Required of scientific students, others elective.

79. **ZOÖLOGY.** A general course embracing a study of invertebrates, comparative anatomy of vertebrates, biology, embryology, and habits of insects, fishes, birds, and mammals. Lectures, laboratory, and field work. One year, three times a week. Required of scientific students, elective to others.

80. **BACTERIOLOGY.** This course opens with laboratory work in normal and morbid histology of the human body as an introduction; this is followed with a thorough course in both non-pathogenic and pathogenic bacteria. Careful attention given to technique, methods of staining, mounting, and preserving specimens, and culture media. One year. Elective. Daily in lectures or laboratory. Open to both academic and medical students.

Department of Hebrew.

DOCTOR JAMES S. BLACKWELL.

81. Mannheimer's Hebrew Grammar and Readings; Translations daily from English into Hebrew.

82. Davidson's Grammar. Biblical historical readings.

83. The Psalms, Isaiah, The Song of Songs. Lectures.

Department of Astronomy.

(COURSES OF THIS DEPARTMENT ARE GIVEN BY THE
PROFESSORS OF MATHEMATICS.)

84. DESCRIPTIVE ASTRONOMY. A general course of an introductory character, comprising the fundamental facts, laws, and methods of astronomical research. The student is taught to use the instruments. The stereopticon is used to supplement the text, and students are given practice in practical work. Current astronomy is a prominent feature of the course. Observations are made each week when weather will permit. Three hours a week, one year. Elective. Open to all students who have had Courses 40 and 41.

85. THEORETICAL ASTRONOMY. Computation of orbits, and integration of equations of motion. Graduate work, and open only to students who have taken Courses 40, 41, 42, and 43 in Mathematics.

Vocal Music.

(TENTATIVELY.)

Lectures on the theory of music, sight-singing, and voice culture. One year.

Elementary Harmony, advanced sight-singing, and voice culture. One year.

Advanced Harmony, History of Music, and Lectures on Modern Operatic Music, illustrated by songs and arias. One year.

Students will be taught to sing in Italian, German, and French. The courses in vocal music are special and not subject to the general fee.

Department of Special Lectures.

(Open to visiting students by invitation.) During the past semester this course consisted of a series of lectures on the Drama: *The Greek Drama*—Professor John Patterson; *the German and French Drama*—Professor Eckart von Walther; the English Drama—Dr. Lewis Nathaniel Chase. The special topic of the lectures for this course during 1908-1909 will be announced after the reopening of the Fall Term.

Graduating Class of 1908.

MR. B. M. BRIGMAN.
MISS LOUISE S. BAIRD.
MISS OLIVE B. CATLIN.
MISS KATE CHAMBERLIN.
MISS VERA CONE.
MISS MARION CAMPBELL.
MR. G. B. FRAZEE.
MISS ALICE L. GREENE.
MR. RALPH HILL.
MR. LEWIS HILL.
MR. EDWARD T. POULSON.
MR. A. C. SLIFER.
MISS FLORENCE P. WITHERSPOON.
MISS INGA WERNESS.
DR. VIRGIL SIMPSON.
MISS GRACE KENNEDY.
MISS NELLIE S. WARD.
MR. F. F. THWING.

UNIVERSITY OF ILLINOIS

PRESIDENT'S OFFICE



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